

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S109	3297	(laser and (e electron "e. sup.-") near beam) same (vapor\$7 desor\$6)	US-PGPUB; USPAT	OR	ON	2006/07/08 22:21
S110	1	(laser and (e electron "e. sup.-") near beam) with (vapor\$7 desor\$6) with clean\$4	US-PGPUB; USPAT	OR	ON	2006/07/08 22:27
S111	18	(laser and (e electron "e. sup.-") near beam) with (vapor\$7 desor\$6) same clean\$4	US-PGPUB; USPAT	OR	ON	2006/07/08 22:32
S112	42	(laser and (e electron "e. sup.-") near beam) same (vapor\$7 desor\$6) same clean\$4 not S111	US-PGPUB; USPAT	OR	ON	2006/07/09 00:21
S113	18	(laser and (e electron "e. sup.-") near beam) with (vapor\$7 desor\$6) same clean\$4	US-PGPUB; USPAT	OR	ON	2006/07/09 00:54
S114	115	(laser and (e electron "e. sup.-") near beam) same (\$1vapor\$7 desor \$6) same clean\$4 not S113	US-PGPUB; USPAT	OR	ON	2006/07/09 00:21
S115	42	(laser and (e electron "e. sup.-") near beam) same (vapor\$7 desor\$6) same clean\$4 not S113	US-PGPUB; USPAT	OR	ON	2006/07/09 00:22
S116	115	(laser and (e electron "e. sup.-") near beam) same (\$1vapor\$7 desor \$6) same clean\$4 not S113	US-PGPUB; USPAT	OR	ON	2006/07/09 00:22
S117	26	(laser and (e electron "e. sup.-") near beam) same (\$1vapor\$7 desor \$6) with clean\$4 not S113	US-PGPUB; USPAT	OR	ON	2006/07/09 00:32
S118	10	(laser and (e electron "e. sup.-") near beam) with (\$1vapor\$7 desor\$6) same clean\$4 not (S113 S117)	US-PGPUB; USPAT	OR	ON	2006/07/09 00:37
S119	89	S116 not (S113 S117)	US-PGPUB; USPAT	OR	ON	2006/07/09 00:37

S120	5	(laser and (e electron "e. sup.-") near beam) with (\$1vapor\$7 desor\$6) same clean\$4	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 00:56
S121	15	(laser and (e electron "e. sup.-") near beam) same (\$1vapor\$7 desor \$6) same clean\$4 not S120	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 01:01
S122	2	(laser and (e electron "e. sup.-") near beam) same (\$1vapor\$7 desor \$6) and clean\$4 not (S120 S121)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 01:02
S123	5	(laser and (e electron "e. sup.-") near beam) and (\$1vapor\$7 desor\$6) and clean\$4 not (S120 S121 S122)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 01:04
S124	2	(laser and (e electron "e. sup.-") with beam) and (\$1vapor\$7 desor\$6) and clean\$4 not (S120 S121 S122 S123)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 01:05
S125	3	(laser and (electron "e. sup.-") same beam) and (\$1vapor\$7 desor\$6) and clean\$4 not (S120 S121 S122 S123)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 01:07
S126	10223	(laser and (electron "e. sup.-") same beam) and (\$1vapor\$7 desor\$6) and clean\$4 not (S116)	US-PGPUB; USPAT	OR	ON	2006/07/09 01:08
S127	2370	(laser and (electron "e. sup.-") same beam) and (\$1vapor\$7 desor\$6) same clean\$4 not (S116)	US-PGPUB; USPAT	OR	ON	2006/07/09 01:08
S128	32	(laser and (electron "e. sup.-") same beam) same (\$1vapor\$7 desor \$6) same clean\$4 not (S116)	US-PGPUB; USPAT	OR	ON	2006/07/09 01:19
S129	1	(laser and (e electron "e. sup.-") same beam) same (\$1vapor\$7 desor \$6) same clean\$4 not (S116 S128)	US-PGPUB; USPAT	OR	ON	2006/07/09 01:19

S130	8	(US-3968476-\$ or US-5151135-\$ or US-5665277-\$ or US-5665658-\$ or US-6038015-\$ or US-6067062-\$ or US-6077621-\$ or US-6673127-\$).did.	USPAT	OR	ON	2006/07/09 01:30
S131	6	S130 and S116	US-PGPUB; USPAT	OR	ON	2006/07/09 01:31
S132	2	S130 not S131	US-PGPUB; USPAT	OR	ON	2006/07/09 01:31
S133	37	(electron e "e.sup.-") adj beam adj induced near2 etch\$4	US-PGPUB; USPAT	OR	ON	2007/03/13 23:52
S134	11	(US-20060147814-\$ or US-20050087514-\$ or US-20050072753-\$ or US-20040126670-\$ or US-20040048398-\$ or US-20030047691-\$ or US-20030000921-\$).did. or (US-6897157-\$ or US- 6753538-\$ or US- 5885354-\$ or US- 4496449-\$).did.	US-PGPUB; USPAT	OR	ON	2007/03/13 23:27
S135	48	("3130343"   "3931517" "4366383"   "4394282" "4472636"   "4639301" "5104684"   "5149974" "5345207"   "5413663" "5435850"   "5741557" "5851413"   "5973295" "6042738"   "6159641" "6340543"   "6368753" "6440615"   "6548417" "6583098"   "6610447").PN. OR ("2003/0000921"   "2003/0047691"   "2004/0048398"   "2004/0126670"   "2005/0072753"   "2005/0087514"   "2006/0147814"   "4496449"   "5885354"   "6753538"   "6897157"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 23:28

S136	233	("3497704"   "3522437" "3771124"   "3778620" "4277147"   "4278493" "4292093"   "4297176" "4345248"   "4568632" "4610718"   "4644338" "4733944"   "4782340" "4810059"   "4876115" "4923285"   "4980536" "5024968"   "5032421" "5043299"   "5047133" "5107355"   "5206749" "5339090"   "5347154" "5451548"   "5471225" "5534722"   "5550089" "5603983"   "5631099" "5652044"   "5738708" "5748438"   "5750013" "5798196"   "5799104" "5849093"   "5879828" "5892237"   "5910378" "6040077"   "6077621" "6103077"   "6159533" "6287717"   "6300000" "6368476").PN. OR ("3968476"   "5151135" "5665277"   "5665658" "6038015"   "6067062" "6077621"   "6673127").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 23:28
S137	16	S135 and (electron e "e. sup.-") near2 beam with etch\$4	US-PGPUB; USPAT	OR	ON	2007/03/13 23:38
S138	59	("3360398"   "4081314" "4273561"   "4452679" "4477311"   "4496449" "4498953"   "4599135" "4734158"   "4851097" "4874459"   "4891120" "4925701"   "4957591" "4980021"   "4994140" "5799104").PN. OR ("4994140"   "5160405" "6042738").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 23:37
S139	13	S138 and (electron e "e. sup.-") near2 beam with etch\$4	US-PGPUB; USPAT	OR	ON	2007/03/13 23:44
S140	20	S138 and (electron e "e. sup.-") near2 beam same etch\$4	US-PGPUB; USPAT	OR	ON	2007/03/13 23:38
S141	7	S140 not S139	US-PGPUB; USPAT	OR	ON	2007/03/13 23:44

S142	16	(US-20030047691-\$ or US-20030000921-\$ or US-20040126670-\$ or US-20050087514-\$ or US-20050072753-\$ or US-20060147814-\$ or US-20040048398-\$).did. or (US-6753538-\$ or US-6897157-\$ or US-5885354-\$ or US-4496449-\$ or US-5160405-\$ or US-4994140-\$ or US-6042738-\$ or US-5421954-\$ or US-5683547-\$).did.	US-PGPUB; USPAT	OR	ON	2007/03/13 23:46
S143	10	S142 and etch\$4 and volatil\$7	US-PGPUB; USPAT	OR	ON	2007/03/13 23:47
S144	1	(electron e "e.sup.-") near2 beam with "same settings"	US-PGPUB; USPAT	OR	ON	2007/03/13 23:54
S145	3	(electron e "e.sup.-") near2 beam same "same settings"	US-PGPUB; USPAT	OR	ON	2007/03/13 23:55
S146	63	(electron e "e.sup.-") near2 beam and "same settings"	US-PGPUB; USPAT	OR	ON	2007/03/13 23:55
S147	63	(electron e "e.sup.-") near2 beam and "same setting"	US-PGPUB; USPAT	OR	ON	2007/03/13 23:55
S148	24	(electron e "e.sup.-") near2 beam same "same column"	US-PGPUB; USPAT	OR	ON	2007/03/13 23:56
S149	1	S148 and (vapor\$8 volatil\$8)	US-PGPUB; USPAT	OR	ON	2007/03/13 23:58
S150	2	("20040033425"   "20060192141").PNL.	US-PGPUB	OR	ON	2007/03/13 23:58
S151	40	((HANS) near2 (KOOPS)).INV.	US-PGPUB; USPAT	OR	ON	2007/03/13 23:59
S152	8	((KLAUS) near2 (EDINGER)).INV.	US-PGPUB; USPAT	OR	ON	2007/03/14 00:00
S153	45	S151 S152	US-PGPUB; USPAT	OR	ON	2007/03/14 00:00
S154	3	S151 and S152	US-PGPUB; USPAT	OR	ON	2007/03/14 00:00
S155	1	("6,677,586").PNL.	USPAT	OR	OFF	2007/11/30 06:13
S156	1	("5665277").PNL.	USPAT	OR	OFF	2007/11/30 06:14

S157	9380	(electron near beam FEB ebeam e-beam e adj beam "e.sup.- beam" "e. sup.-" adj beam) same heat\$4 same (volatil\$3 evaporat\$3 vapor\$7 sublim\$6)	US-PGPUB; USPAT	OR	ON	2007/11/30 06:34
S158	4442	(electron near beam FEB ebeam e-beam e adj beam "e.sup.- beam" "e. sup.-" adj beam) with heat\$4 with (volatil\$3 evaporat\$3 vapor\$7 sublim\$6)	US-PGPUB; USPAT	OR	ON	2007/11/30 06:34
S159	5	(electron near beam FEB ebeam e-beam e adj beam "e.sup.- beam" "e. sup.-" adj beam) with heat\$4 with (volatil\$3 evaporat\$3 vapor\$7 sublim\$6) with desor?\$4	US-PGPUB; USPAT	OR	ON	2007/11/30 06:38
S160	10	(electron near beam FEB ebeam e-beam e adj beam "e.sup.- beam" "e. sup.-" adj beam) with heat\$4 with (volatil\$3 evaporat\$3 vapor\$7 sublim\$6) same desor? \$4 not S159	US-PGPUB; USPAT	OR	ON	2007/11/30 06:38
S161	2	(US-5061850-\$ or US- 6787783-\$).did.	USPAT	OR	ON	2007/11/30 11:09
S162	2	S161 and laser	USPAT	OR	ON	2007/11/30 12:40
S163	1	S161 and laser with ("e. sup.- beam" (e electron) adj beam)	USPAT	OR	ON	2007/11/30 12:49
S164	0	(vapor\$7 evaporat\$6 sublim\$6) with ((copper Cu) near chloride CuCl2 "CuCl.sub.2" CuCl) with laser with ("e.sup.- beam" (e electron) adj beam)	USPAT	OR	ON	2007/11/30 12:51
S165	0	(vapor\$7 evaporat\$6 sublim\$6) with ((copper Cu) near chloride CuCl2 "CuCl.sub.2" CuCl) with laser with ("e.sup.- beam" (e electron) adj beam)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 12:51

S166	2	(vapori\$7 evaporat\$6 sublim\$6) same ((copper Cu) near chloride CuCl2 "CuCl.sub.2" CuCl) same laser same ("e.sup.- beam" (e electron) adj beam)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 12:51
S167	610599	(electron near beam FEB ebeam e-beam e adj beam "e.sup.-beam" "e.sup.-" beam "e.sup.-" adj beam) (vapori\$7 evaporat\$6 sublim\$6) same ((copper Cu) with chloride CuCl2 "CuCl.sub.2" CuCl) same laser	US-PGPUB; USPAT	OR	ON	2007/11/30 12:55
S168	2	(electron near beam FEB ebeam e-beam e adj beam "e.sup.-beam" "e.sup.-" beam "e.sup.-" adj beam) same (vapori\$7 evaporat\$6 sublim\$6) same ((copper Cu) with chloride CuCl2 "CuCl.sub.2" CuCl) same laser	US-PGPUB; USPAT	OR	ON	2007/11/30 12:55
S169	2	(electron near beam FEB ebeam e-beam e adj beam "e.sup.-beam" "e.sup.-" beam "e.sup.-" adj beam) same (vapori\$7 evaporat\$6 sublim\$6) same ((copper Cu) with chloride CuCl2 "CuCl.sub.2" CuCl) same laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 12:56
S170	99	(electron near beam FEB ebeam e-beam e adj beam "e.sup.-beam" "e.sup.-" beam "e.sup.-" adj beam) same laser same (vapori\$7 evaporat\$6 sublim\$6) and ((copper Cu) with chloride CuCl2 "CuCl.sub.2" CuCl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 13:48

S171	82	(electron near beam FEB ebeam e-beam e adj beam "e.sup.-beam" "e. sup.-"-beam "e.sup.-" adj beam) with laser same (vapori\$7 evaporat \$6 sublim\$6) and ((copper Cu) with chloride CuCl2 "CuCl. sub.2" CuCl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 12:57
S172	71	(electron near beam FEB ebeam e-beam e adj beam "e.sup.-beam" "e. sup.-"-beam "e.sup.-" adj beam) with laser with (vapori\$7 evaporat \$6 sublim\$6) and ((copper Cu) with chloride CuCl2 "CuCl. sub.2" CuCl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 12:58
S173	2	(electron near beam FEB ebeam e-beam e adj beam "e.sup.-beam" "e. sup.-"-beam "e.sup.-" adj beam) with laser with (vapori\$7 evaporat \$6 sublim\$6) same ((copper Cu) with chloride CuCl2 "CuCl. sub.2" CuCl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 12:58
S174	5	(electron near beam FEB ebeam e-beam e adj beam "e.sup.-beam" "e. sup.-"-beam "e.sup.-" adj beam) near laser with (vapori\$7 evaporat \$6 sublim\$6) and ((copper Cu) with chloride CuCl2 "CuCl. sub.2" CuCl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 13:28
S175	19	(electron near beam FEB ebeam e-beam e adj beam "e.sup.-beam" "e. sup.-"-beam "e.sup.-" adj beam) with laser near (vapori\$7 evaporat \$6 sublim\$6) and ((copper Cu) with chloride CuCl2 "CuCl. sub.2" CuCl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 13:00



S176	19	S175 not S174	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 13:00
S177	39	(electron near beam FEB ebeam e-beam e adj beam "e.sup.-beam" "e. sup.-" beam "e.sup.-" adj beam) near4 laser with (vapori\$7 evaporat \$6 sublim\$6) and ((copper Cu) with chloride CuCl2 "CuCl. sub.2" CuCl) not S174	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 13:34
S178	32	S172 not S177	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 13:41
S179	28	S170 not S172	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 13:41
S180	127	("3001951"   "3054754"   "3135809"   "3288723"   "3364087"   "3407031"   "3425797"   "3549331"   "3602710"   "3623846"   "3819941"   "3868507"   "3878293"   "3891746"   "3925251"   "3950269"   "4021599"   "4066424"   "4108968"   "4121030"   "4149990"   "4194992"   "4217245"   "4221047"   "4245273"   "4260649"   "4262102"   "4277589"   "4331504"   "4331561"   "4332999"   "4421674"   "5821549"   "6211527").PN. OR ("2004/0113097"   "4490211"   "4650778"   "5061850"   "6787783"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/30 13:48

S181	1	S180 and (electron near beam FEB ebeam e-beam e adj beam "e. sup.-beam" "e.sup.-" beam "e.sup.-" adj beam) and laser and (vapor\$7 evaporat\$6 sublim\$6) and ((copper Cu) with chloride CuCl2 "CuCl.sub.2" CuCl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 13:51
S182	26	S180 and (electron near beam FEB ebeam e-beam e adj beam "e. sup.-beam" "e.sup.-" beam "e.sup.-" adj beam) and laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 13:51
S183	19	S180 and (electron near beam FEB ebeam e-beam e adj beam "e. sup.-beam" "e.sup.-" beam "e.sup.-" adj beam) same laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 13:51
S184	13	S180 and (electron near beam FEB ebeam e-beam e adj beam "e. sup.-beam" "e.sup.-" beam "e.sup.-" adj beam) with laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 13:53
S185	13	S182 not S184	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/30 13:53
S186	2	("6787783").PNL	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/18 17:05
S187	1	S186 and carbon	US-PGPUB; USPAT	OR	ON	2008/01/18 17:06
S188	1	S186 and clean\$4	US-PGPUB; USPAT	OR	ON	2008/01/18 17:09
S189	1	S186 and contam\$	US-PGPUB; USPAT	OR	ON	2008/01/18 17:32
S190	0	S186 and residu\$	US-PGPUB; USPAT	OR	ON	2008/01/18 17:32
S191	1	(US-6787783-\$.).did.	USPAT	OR	ON	2008/01/20 04:42
S192	0	S191 and puls\$4	USPAT	OR	ON	2008/01/20 04:42

S193	1	(US-5665277-\$).did.	USPAT	OR	ON	2008/01/20 04:57
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